

SAFETY DATA SHEET

ONCO/Reveal™ BRCA1 & BRCA2 Somatic Panel

1. IDENTIFICATION

Product Name: ONCO/Reveal BRCA1 & BRCA2 Somatic Panel Kit,
24 reactions per kit, PN# HDA-BR-1002-24

Kit Components:

- BRCA Somatic Oligo Pool, PN# BR-196A-24
- Gene Specific PCR Master Mix, PN# MM-9001-24
- Exonuclease I, PN# EN-9001-24
- Indexing PCR Master Mix, PN# MM-9004-24

Company details

Name: Pillar Biosciences, Inc.
Address: 12 Michigan Drive
Natick, MA 01760 USA
Telephone: +1 508-655-3027

Emergency response

In case of emergencies: CHEMTREC
1-800-424-9300 (U.S. or Canada)
1-703-527-3887 (International)

Recommended use of product

For research use only
For use by trained professionals only

2. HAZARD(S) IDENTIFICATION**GHS classification**

The product is a kit consisting of individual ingredients. The classification of individual components can be found in section 3.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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BRCA Somatic Oligo Pool, PN# BR-196A-24

GHS classification

Not a hazardous substance or mixture.

Hazardous components

None.

Gene Specific PCR Master Mix, PN# MM-9001-24

GHS classification

Not a hazardous substance or mixture.

Hazardous components

None.

Exonuclease I, PN# EN-9001-24

GHS classification

Not a hazardous substance or mixture.

Hazardous components

None.

Indexing PCR Master Mix, PN# MM-9004-24

GHS classification

Not a hazardous substance or mixture.

Hazardous components

None.

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4. FIRST-AID MEASURES

Route of Exposure:

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water.

Eye contact: Remove contact lenses. Immediately flush opened eye with water. Wash eyes with plenty of water for at least 15 minutes. Consult a physician.

Swallowed: Keep respiratory tract clear. Rinse mouth with water. Do not induce vomiting. Consult a physician.

General: Consult a physician after significant exposure and/or persistent symptoms.

Note to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: For small fires use carbon dioxide, dry chemical, water spray, or foam extinguishers. Cool closed containers exposed to fire with water spray. CAUTION: Use of water spray when fighting fire may be inefficient. For large fires use extinguishing media suitable for the surrounding environment.

Hazardous Combustion products: Carbon oxides, Sulphur oxides, nitrogen oxides.

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus if necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Use personal protective equipment (PPE). Avoid breathing vapors, mist, or gas. Use in well-ventilated area.

Environmental precautions:

Do not allow product to enter drains, sewage, surface or ground water.

Methods and materials for containment and clean up:

Remove spilled liquids mechanically with inert absorbent material and dispose according to local regulations. Keep in appropriate, closed containers for disposal. Report spills to the environment of any spill materials that reach the RQ.

7. HANDLING AND STORAGE

Precautions for safe handling:

- Use good laboratory practices. Do not eat, drink, or smoke in operation area.
- Avoid formation of aerosol.
- Immediately remove soiled or contaminated clothing.
- Wash hands before and after use.
- Avoid contact with eyes or skin.
- Use in a well-ventilated area and keep containers tightly sealed.

Conditions for safe storage:

Store according to individual container labelling and keep container tightly sealed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous components

None.

Control parameters

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas

Personal protective equipment:

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- | | |
|-----------------------------------|---|
| ▪ Eye protection | Wear safety glasses with side shields |
| ▪ Hand protection | Wear impervious gloves |
| ▪ Skin and body protection | Wear lightweight protective clothing |
| ▪ Hygiene measures | Handle using good industrial hygiene and safety practices |

9. PHYSICAL AND CHEMICAL PROPERTIES

Hazardous components

None.

10. STABILITY AND REACTIVITY

Hazardous components

None.

11. TOXICOLOGICAL INFORMATION

Hazardous components

None.

12. ECOLOGICAL INFORMATION

Hazardous components

None.

13. DISPOSAL CONSIDERATIONS

Hazardous components

None.

Disposal methods:

- Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Local regulations may be more stringent than regional or national requirements

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Contaminated packaging:

- Wear chemically compatible gloves and protective clothing. Avoid breathing vapor. Place product in appropriately labeled container for disposal
- Do not allow product to contaminate waterways
- Empty remaining contents and dispose as if unused product
- Empty containers should be taken to an approved waste handling site for recycling or disposal
- Do not reuse containers

14. TRANSPORT INFORMATION

International Regulation

IATA-DGR:

Not regulated as a dangerous good

IMDG-Code:

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable, packaged goods

National Regulations

49 CFR:

Not regulated as a dangerous good

15. REGULATORY INFORMATION

Use general safety regulations when handling chemicals.

Inventories:

The hazardous components are listed on the following inventories

AICS:

No ingredients listed

DSL:

No ingredients listed

ENCS:

No ingredients listed

IECSC:

No ingredients listed

KECL:

No ingredients listed

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NZIoC: No ingredients listed
PICCS: No ingredients listed
REACH: No ingredients listed
TSCA: No ingredients listed

CERCLA Reportable Quantity: No ingredients listed

SARA

302: No ingredients listed
304 Extremely hazardous
substances reportable quantity:
311/312: No ingredients listed
313: No ingredients listed

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 or Class 2 ozone depleters

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants, or Toxic Pollutants under the CWA

Carcinogenetic categories:

Environmental Protection Agency (EPA): No ingredients listed
International Agency for Research on Cancer (IARC): No ingredients listed
National Toxicology Program (NTP): No ingredients listed
Threshold Limit Value established by ACGIH: Not established
German Maximum Workplace Concentration (MAK): No ingredients listed
National Institute for Occupational Safety and Health (NIOSH): No PEL established
Occupational Safety and Health Administration (OSHA): No PEL established

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California Proposition 65:

Chemicals known to cause cancer:	No ingredients listed
Reproductive toxicity in females:	No ingredients listed
Reproductive toxicity in males:	No ingredients listed
Developmental toxicity:	No ingredients listed

U.S. State Regulations:

Massachusetts Right to Know:	No ingredients listed
New Jersey Right to Know:	No ingredients listed
Pennsylvania Right to Know:	No ingredients listed

Water Hazard class:	Not established
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16. OTHER INFORMATION

The information provided is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed merely as guidance for the safe handling, use, processing, storage, transportation, disposal and release of the specific contents. The information relates only to the specific material designated and may not be valid for material used in combination with any other materials or in any process not explained within the text.

Date of Preparation of SDS:	31 March 2020
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